YOUR PARTNER IN RENEWABLE ENERGY

PROPOSAL PJU-TS

A PROPOSAL BY

PT SURYA ENERGI INDOTAMA

PROJECT

PJU TENAGA SURYA

about the company

Surya Energi Indotama (SEI) was established since 2009. The company is subsidiary of PT Len Industri that focuses on renewable energy. As an EPC (Engineering, Procurement, Construction), SEI provides you total system solutions in the field of renewable energy.

SEI's focus has been on solar energy but we are looking forward to develop other renewable energy sources such as wind, hydro power, and biomass.

We value experiences to provide only the best, endorsed by more than 50 experts, SEI has been dealing with hundreds of renewable energy projects from government and private agencies all over Indonesia, even the outermost, the furthest, and the most isolated islands.

Len SEI

OUR PRODUCT

Solar PV System is a power generation system that utilizes solar energy to become electrical energy through photovoltaic module (green energy)

We offer reliable solar system products with guaranteed quality and warranty. Designed and built by our experts in the field of solar power using quality equipment both from inside and outside the country

ADVANTAGES

- Independent Electricity
- Reducing the use of fossil fuels
- Environmental friendly (clean and noiseless)
- Easy operation and maintenance
- Low maintenance

OUR BUSINESS

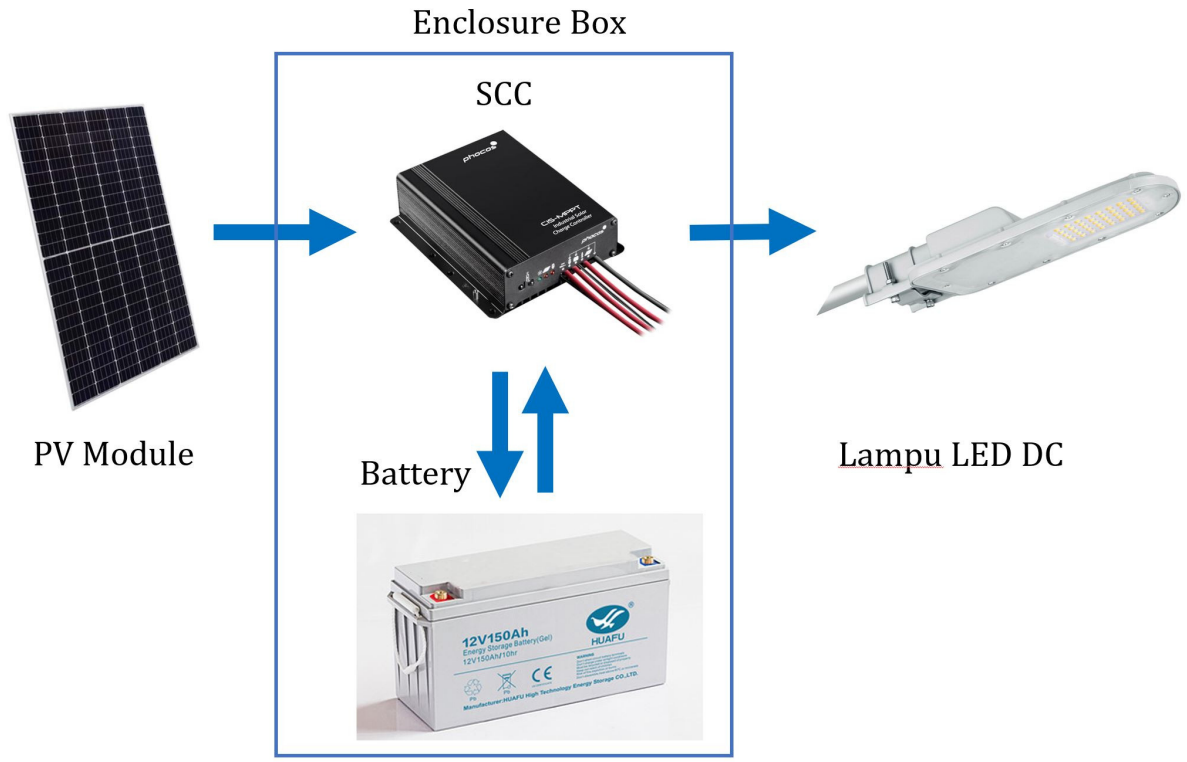
01 **ENGINEERING**
Design by our expert

02 **PROCUREMENT**
Best product best price

03 **CONSTRUCTION**
Full of experience

04 **COMMISIONING**
Ensure quality of your systems

PROPOSED DESIGN



PJU TENAGA SURYA

PJU Tenaga Surya Off Grid ialah sistem PJU yang berdiri sendiri tanpa sumber energi yang lain dan tanpa terkoneksi dengan jaringan listrik PLN. Sistem ini dilengkapi oleh baterai untuk dapat menyuplai daya di malam hari.

PV Module : 1 x 375 Wp
SCC : 1 x 24Vdc 20A
Battery : 2 x 12V 150Ah
Lamp : 1 x LED 24Vdc 60W

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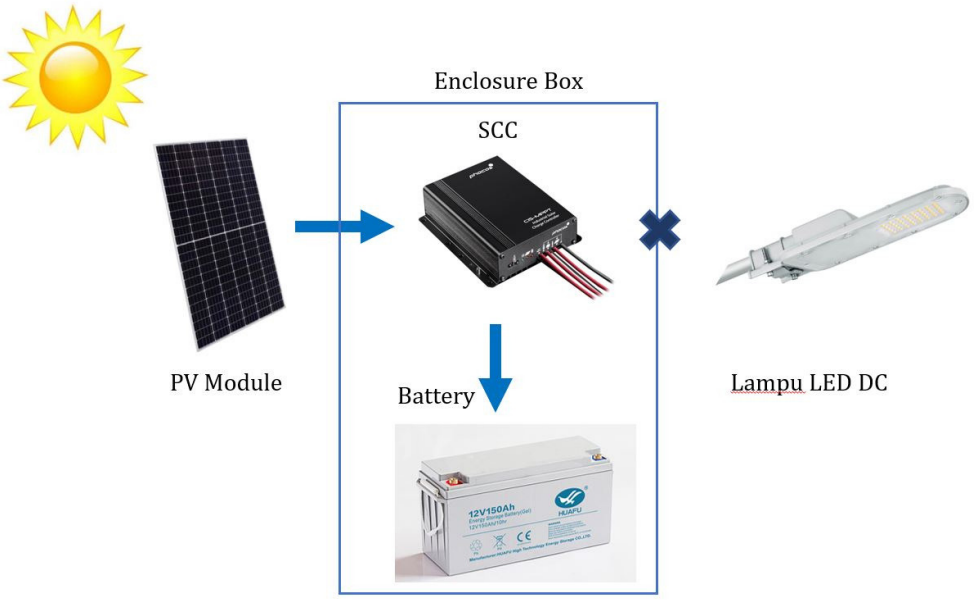
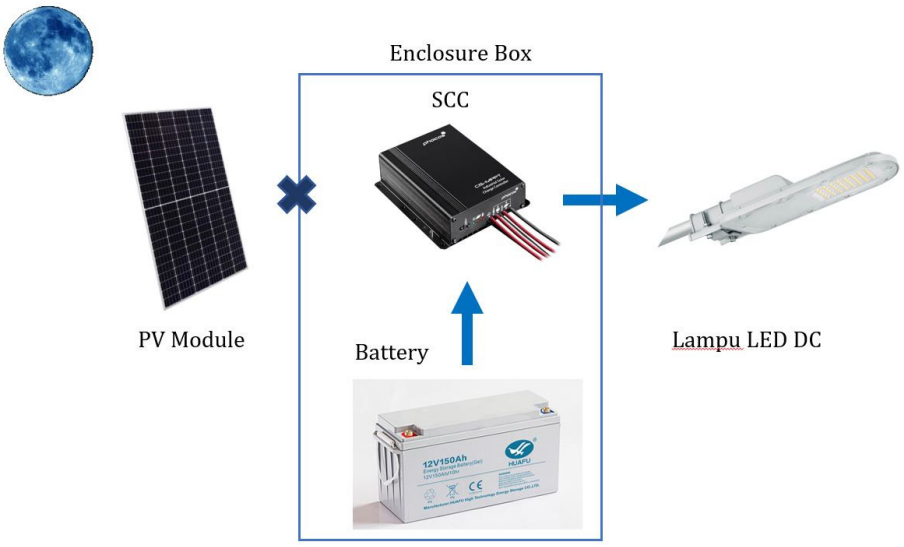
SYSTEM OPERATION



In Day light, Solar Module will convert energy from the sun to electricity and store in the battery with SCC.

In Night time, electricity for the light will be supplied by battery that already store energy from day time.



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PRODUCT SPESIFICATION

PV MODULE

Cell Type	: Monocrystalline
Nominal Pmax	: 375 Watt
Module Efficiency	: 19%
Dimension	: 1987x992x40 mm
Weight	: 26.5 kg

JinKO Solar

SCC

Cell Type	: Monocrystalline
Nominal Pmax	: 375 Watt
Module Efficiency	: 19%
Dimension	: 1987x992x40 mm
Weight	: 26.5 kg

phocos

*detail spesification on the datasheet as attached

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PRODUCT SPESIFICATION

BATTERY

Type : Lead Carbon
Nominal Voltage : 12 V
Capacity @C10 : 150 Ah
Cycle life @80% DOD : > 3000 cycle

LUMINAIRE

Type : LED
Nominal Power : 60 W
Tegangan : 24 Vdc
CCT : 4000 K
Lumen efficacy : >110 lm/Watt

*detail spesification on the datasheet as attached

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UNIT PRICING

berikut material yang diperlukan pada pemasangan satu unit PJU TS

Nomor	Uraian	Satuan Unit
	PJU tenaga Surya	
1	Lampu LED maks. 45W dengan lumen min. 5200	unit
2	Modul Surya crystalline min 1x300 Wp atau 2x150 Wp	unit
3	Baterai Lithium min 40 Ah, 24V min. 2000 cycle (include box)	unit
4	Solar Charge Controller min IP 65	unit
5	Sistem Pengkabelan SNI Plug and Play	set
	a. PV Modul Solar Cable uk. 2 x 1,5 mm (socket MC4)	
	b. Lampu NYYHY / NYMHY uk. 2 x 1,5 mm (DC Connector)	
	c. Baterai NYYHY / NYAF uk. 2 x 1,5 mm (DC Connector)	
6	Tiang PJU, penyangga dan braket solar panel	unit
	a. Tiang Besi Baja Karbon Oktagonal Hot Deep Galvanis (tebal HDG minimal 75 mikron) tinggi 7 m	
	b. Anti panjat	

TOTAL INVESTASI

IDR 16.986.250

OUR CLIENT

OUR HARDWORKS

Projects - 173+

Clients - 90+

Locations - 519+

At present, the total installed system is 23 MWp. We are proud with the numbers, but helping you save more with solar power is more gratifying.

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